

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Harry Shubin on 9/24/10.

The application has been amended as follows:

1. Cancel claim 8.
2. Replace claim 10 as follows:

Claim 10. A method of decellularizing mammalian tissue comprising:

- a) immersing the mammalian tissue in a treatment solution comprising a detergent but lacking of a fixation chemical;
- b) irradiating said tissue with microwaves at a frequency of 2451 MHz for a net period of at least 1 hour while maintaining the temperature of the tissue in a range between 0°C and 40°C;
- c) washing the irradiated tissue to remove residual cells, leaving a washed tissue;

whereby the tissue is decellularized even in deep interior portions if determined by:

- d) staining a specimen from the washed tissue from c) with hematoxylin-eosin stain and histologically evaluating the specimen by microscopic observation to determine any residual cellular nuclei;
- e) identifying the tissue as decellularized when the specimen is marked by absence of any residual cellular nuclei even in deep interior portions.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thaian N. Ton whose telephone number is (571)272-0736. The examiner can normally be reached on 9-5:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Paras can be reached on 571-272-4517. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Thaian N. Ton/  
Primary Examiner, Art Unit 1632